

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
20 September 2001 (20.09.2001)

PCT

(10) International Publication Number  
WO 01/69015 A2

(51) International Patent Classification<sup>7</sup>: E05B

(21) International Application Number: PCT/GB01/00735

(22) International Filing Date: 22 February 2001 (22.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0005752.1 11 March 2000 (11.03.2000) GB

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): BAN-HAM PATENT LOCKS LIMITED [GB/GB]; 233-235 Kensington High Street, London W8 6SF (GB).

**Published:**

— without international search report and to be republished upon receipt of that report

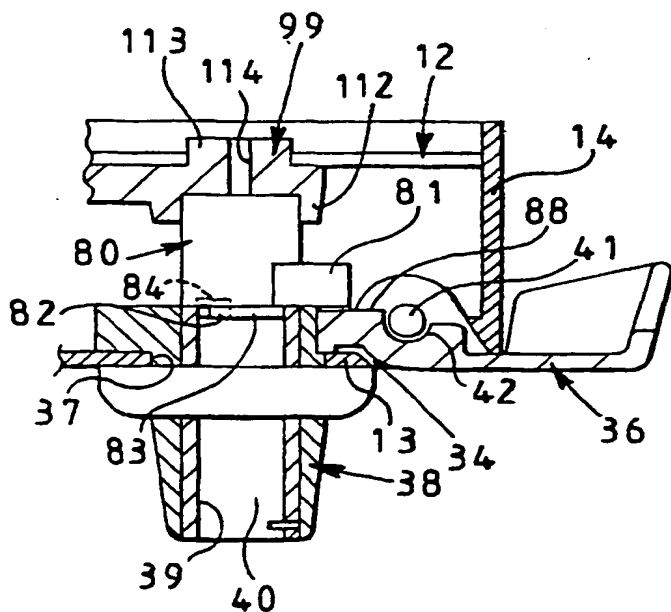
(72) Inventor; and

(75) Inventor/Applicant (*for US only*): COWPER, Brian, Edward [GB/GB]; 114 Elm Road, New Malden, Surrey KT3 3HP (GB).

(74) Agents: MOSEY, Stephen, George et al.; Marks & Clerk, Alpha Tower, Suffolk Street Queensway, Birmingham B1 1TT (GB).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LOCK



(57) Abstract: A lock for a door (10) comprises a casing (11), a bolt (55) operable to extend from or retract into the casing, a pivoted operating handle (36) operable at one side of the door to retract the bolt, lock means (28) for key operation at the other side of the door, and blocking means (81) to prevent operation of the handle to retract the bolt. In a locked closed position of the door, the bolt (55) is extended, and with the blocking means operated, key operation of the exterior lock means (28) both retracts the bolt and also de-actuates the blocking means. At the inside of the door further key operable lock means (39, 40) are provided solely to operate and, if required, to de-actuate the blocking means. A casting (38) secured in the casing mounts the further lock means (39, 40), provides part-bearings (38b; 138b) for pivot rods (41, 43) of the handle (36) and a bolt locking element (44), provides a guide slot (138d) for a spring-like connector (49) linking the handle to the bolt locking element, and provides a pair of arms (66) between which slides a bolt release member (69) and against which bears one end of a biasing spring around part of the bolt release member.